

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: February 14, 1996
Date Received: February 8, 1996
Project: Metro Self Monitor, PO #M52200
Date Samples Extracted: February 9, 1996
Date Extracts Analyzed: February 13, 1996

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, AND ZINC
USING METHOD 6010**

Samples Processed Using Method 3005
Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M52200	0.79	0.89	0.66	0.17
Method Blank	<0.05	<0.05	<0.05	<0.05

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**QUALITY ASSURANCE RESULTS
FOR CHROMIUM, COPPER, NICKEL, AND ZINC
Samples Processed Using Method 3005**

Laboratory Code: 66464DU

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Relative Percent Difference</u>	<u>Acceptance Criteria</u>
Chromium	mg/L (ppm)	0.79	0.79	0	0-20
Copper	mg/L (ppm)	0.89	0.89	0	0-20
Nickel	mg/L (ppm)	0.66	0.65	2	0-20
Zinc	mg/L (ppm)	0.17	0.16	6 a	0-20

Laboratory Code: 66464MS/MSd

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>Sample Result</u>	<u>% Recovery</u>		<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
				<u>MS</u>	<u>MSD</u>		
Chromium	mg/L (ppm)	5	0.79	100	104	80-120	4
Copper	mg/L (ppm)	5	0.89	104	110	80-120	6
Nickel	mg/L (ppm)	10	0.66	103	104	80-120	1
Zinc	mg/L (ppm)	5	0.17	99	100	80-120	1

Laboratory Code: Spike Blank



<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>% Recovery</u>		<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
			<u>MS</u>	<u>MSD</u>		
Chromium	mg/L (ppm)	5	104	100	80-120	4
Copper	mg/L (ppm)	5	108	105	80-120	3
Nickel	mg/L (ppm)	10	107	102	80-120	5
Zinc	mg/L (ppm)	5	101	98	80-120	3

a - The analyte was detected at a level less than five times the detection limit. The RPD results may not provide reliable information on the variability of the analysis.

KNJ AI
2.8.96
2:30

Send Report To: ALASKAN Copper Works Contact GERALD Thompson
Company _____
Address 628 Haddon
City, State, Zip Seattle WA
Phone # (206) 382-8379 Date 2-8-96

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	GERALD Thompson	A.C.W.	2/5/96	2:25 PM
Received by: 	Cathy Downing	FBI	2/8/96	2:25 PM
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

February 14, 1996

**INVOICE # 96ACU0214-1
DUPLICATE COPY**

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO #M52200: Results of testing requested by
Gerry Thompson, Project Manager for material submitted on February 8,
1996.

1 water sample analyzed for
Chromium, Copper, Nickel, and Zinc
using Method 6010 @ \$65 per sample

\$ 65.00

Amount Due

\$ 65.00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

February 14, 1996

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on February 8, 1996 from your Metro Self Monitor, PO #M52200 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kurt Johnson
Chemist

keh
Enclosures
FAX: 382-7335
ACU0214R.DOC